

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

No claim amendments are filed herein; however, for the convenience of the Examiner, a complete list of the claims is provided below:

1. (Previously Presented) An inverter unit grounding method comprising:

connecting a 0V of a circuit system, including a sensor circuit for a sensor in an inverter unit driving a motor, with a shield braid of a shielded cable connecting the sensor circuit and the sensor; and

connecting the shield braid of the shielded cable to an earth plate outside the inverter unit.

2. (Previously Presented) An inverter unit, comprising:

a sensor detecting a state of a motor or a machine using the inverter unit; and
a circuit system including a sensor circuit for the sensor, wherein

the sensor circuit is connected with the sensor by a shielded cable having a shield braid, and the shield braid is connected to a 0V of the circuit system and an earth plate outside the inverter unit.

3. (Original) The inverter unit according to claim 2, wherein the sensor detects the position or speed of the motor, the magnetic pole position of a rotor of the motor, the temperature of the motor, or the acceleration of the motor, and the sensor circuit processes signals from the sensor.

4. (Original) A machine using the inverter unit according to claim 3.

5. (Previously Presented) A machine using the inverter unit according to claim 2.

6. (Previously Presented) An apparatus comprising:

means for connecting a 0V of a circuit system, including a sensor circuit for a sensor in

an inverter unit driving a motor, with a shield braid of a shielded cable connecting the sensor circuit and the sensor; and

means for connecting the shield braid of the shielded cable to an earth plate outside the inverter unit.